## SEQUENCE LISTING

1/4

```
<110> Theratechnologies Inc.
       Lussier, Bruno
       Vachon, Luc
       Allas, Soraya
       Abribat, Thierry
<120> Selection and treatment of patients suffering from wasting
<130> 85795-74
<150> 60/512,198
<151> 2003-10-20
<160> 7
<170> PatentIn version 3.3
<210> 1
<211> 30
<212> PRT
<213> Artificial sequence
<220>
<223> GRF peptide
<220>
<221> VARIANT
<222> (1)..(1)
\langle 223 \rangle Xaa = Tyr or His
<220>
<221> VARIANT
<222> (2)..(2)
<223> Xaa = Val or Ala
<220>
<221> VARIANT
<222> (8)..(8)
<223> Xaa = Asn or Ser
<220>
<221> VARIANT
<222> (13)..(13)
<223> Xaa = Val or Ile
<220>
<221> VARIANT
<222> (15)..(15)
<223> Xaa = Ala or Gly
<220>
<221> VARIANT
<222> (18)..(18)
<223> Xaa = Ser or Tyr
<220>
```

<221> VARIANT

2/4

```
<222> (24)..(24)
  <223> Xaa = Gln or His
  <220>
  <221> VARIANT
  <222> (25)..(25)
<223> Xaa = Asp or Glu
  <220>
  <221> VARIANT
  <222> (27)..(27)
  <223> Xaa = Met or Ile or Nle
  <220>
  <221> VARIANT
  <222> (28)..(28)
  <223> Xaa = Ser or Asn
<220> ·
 <221> VARIANT
 <222> (30)..(30)
<223> Xaa = amino acid sequence of 1 up to 15 residues or is a bond
  <400> 1
 Xaa Xaa Asp Ala Ile Phe Tyr Xaa Ser Tyr Arg Lys Xaa Leu Xaa Gln
 Leu Xaa Ala Arg Lys Leu Leu Xaa Xaa Ile Xaa Xaa Arg Xaa
              20
 <210> 2
 <211> 44
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> MISC FEATURE
 <222> (44)..(44)
 <223> Leu residue is capped with an unsubstituted amide moiety
 <400> 2
 Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln
                  5 .
                                      10
 Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg Gln Gln Gly
              20
                                  25
```

```
Glu Ser Asn Gln Glu Arg Gly Ala Arg Ala Arg Leu
                             40
 <210> 3
 <211> 44
 <212> PRT
 <213> Artificial sequence
 <220>
 <223> Amino acid sequence of human GRF
 <400> 3
Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln
Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg Gln Gln Gly
Glu Ser Asn Gln Glu Arg Gly Ala Arg Ala Arg Leu
<210> 4
<211> 29
<212> PRT
<213> Homo sapiens
<220>
<221> MISC_FEATURE
<222> (29)..(29)
<223> Arg residue is capped with an unsubstituted amide moiety
<400> 4
Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln
                                    10
Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg
<210> 5
<211> 29
<212> PRT
<213> Artificial sequence
<220>
<223> Amino acid sequence of minimum active core of human GRF
<400> 5
Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln
Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg
<210> 6
<211> 15
<212> PRT
```

4/4

```
<213> Artificial sequence <220>
```

<223> Amino acid sequence corresponding to positions 30 to 44 of human  $_{\cdot}$  GRF

<400> 6

Gln Gln Gly Glu Ser Asn Gln Glu Arg Gly Ala Arg Ala Arg Leu 1 5 10 15

<210> 7

<211> 44

<212> PRT

<213> Artificial sequence

<220> ·

<223> Modified GRF peptide

<220>

<221> MISC\_FEATURE

<222> (1)..(1)

<223> Tyr residue is linked to an hexenoyl-trans-3 moiety

<220>

<221> MISC\_FEATURE

<222> (44)..(44)

<223> Leu residue is capped with an unsubstituted amide moiety

<400> 7

Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln
1 5 10 15

Leu Ser Ala Arg Lys Leu Gln Asp Ile Met Ser Arg Gln Gln Gly
20 25 30

Glu Ser Asn Gln Glu Arg Gly Ala Arg Ala Arg Leu 35 40 .

## 10/576439

## SEQUENCE LISTING AP20 REC'T PTO 20 APR 2006

```
<110>
       Theratechnologies Inc.
        Lussier, Bruno
        Vachon, Luc
Allas, Soraya
Abribat, Thierry
<120> Selection and treatment of patients suffering from wasting
<130>
       09555.0151USWO
<140> New Application <141> 2006-04-20
<150> PCT/CA2004/001843
<151> 2004-10-20
<150>
       60/512,198
<151> 2003-10-20
<160> 7
<170> PatentIn version 3.3
<210>
<211> 30
<212> PRT
<213> Artificial sequence
<220>
<223> GRF peptide
<220>
<221> VARIANT
<222> (1)..(1)
<223> Xaa = Tyr or His
<220>
<221> VARIANT <222> (2)..(2)
<223> Xaa = Val or Ala
<220>
<221> VARIANT
<222>
       (8)..(8)
<223> Xaa = Asn or Ser
<220>
<221> VARIANT
<222> (13)..(13)
<223> Xaa = Val or Ile
<220>
<221> VARIANT
<222> (15)..(15)
<223> Xaa = Ala or Gly
<220>
<221> VARIANT
<222> (18)..(18)
<223> Xaa = Ser or Tyr
```

•

```
<220>
<221>
<222>
       VARIANT
        (24)..(24)
<223>
       Xaa = Gln or His
<220>
<221>
       VARIANT
<222>
       (25)..(25)
<223>
       Xaa = Asp or Glu
<220>
<221>
<222>
       VARIANT
       (27)..(27)
       Xaa = Met or Ile or Nle
<223>
<220>
<221>
       VARIANT
<222>
       (28)..(28)
<223>
       Xaa = Ser or Asn
<220>
<221>
       VARIANT
<222>
       (30)..(30)
<223>
       Xaa = amino acid sequence of 1 up to 15 residues or is a bond
<400>
Xaa Xaa Asp Ala Ile Phe Tyr Xaa Ser Tyr Arg Lys Xaa Leu Xaa Gln 1 10 15
Leu Xaa Ala Arg Lys Leu Leu Xaa Xaa Ile Xaa Xaa Arg Xaa 20 25 30
<210>
<211> 44
<212> PR
<212>
       PRT
<213> Homo sapiens
<220>
       MISC_FEATURE
<221>
<222>
       (44)..(44)
<223>
       Leu residue is capped with an unsubstituted amide moiety
<400>
Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln 10 15
Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg Gln Gln Gly 20 25 30
Glu Ser Asn Gln Glu Arg Gly Ala Arg Ala Arg Leu
35 40
<210>
<211> 44
<212> PRT
```

```
<213> Artificial sequence
<220>
<223>
       Amino acid sequence of human GRF
<400>
Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln 10 15
Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg Gln Gln Gly 20 25 30
Glu Ser Asn Gln Glu Arg Gly Ala Arg Ala Arg Leu
35 40
<210>
<211>
       29
<212> PRT
<213> Homo sapiens
<220>
<221>
       MISC_FEATURE
<222> (29)..(29)
       Arg residue is capped with an unsubstituted amide moiety
<223>
<400>
Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln 10 15
Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg 20 25
<210>
<211> 29
<212> PRT
<213> Artificial sequence
<220>
       Amino acid sequence of minimum active core of human GRF
<400>
       5
Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln
10 15
Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg
20 25
<210>
       6
<211>
       15
```

3

<212>

<213>

<220>

PRT

Artificial sequence

```
Amino acid sequence corresponding to positions 30 to 44 of human
<400> 6
Gln Gln Gly Glu Ser Asn Gln Glu Arg Gly Ala Arg Ala Arg Leu
1 5 10 15
<210> 7
<211> 44
<212> PRT
<213> Artificial sequence
<220>
<223> Modified GRF peptide
<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Tyr residue is linked to an hexenoyl-trans-3 moiety
<220>
<221>
       MISC_FEATURE
<222> (44)..(44)
<223> Leu residue is capped with an unsubstituted amide moiety
<400> 7
Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln 10 15
Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg Gln Gln Gly 20 25 30
Glu Ser Asn Gln Glu Arg Gly Ala Arg Ala Arg Leu
35 40
```